

**EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF THE STATE FIRE MARSHAL
REGARDING THE 2007 CALIFORNIA FIRE CODE
CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9.**

The Office of the State Fire Marshal (OSFM) proposes to make necessary changes to the 2007 edition of the California Fire Code (CFC), based on the 2006 International Fire Code (IFC). OSFM further proposes to:

- Adopt necessary amendments to the model code;
- Repeal amendments to the model code that are no longer necessary.

Legend for Express Terms:

1. California amendments brought forward without modification: *All such language appears in Italics.*
2. California amendments brought forward with modification: *All such language appears in Italics, modified language is underlined.*
3. IFC language with new California amendment: IFC language is shown in normal Arial 9 pt. California amendments to IFC text appear underlined and in italics.
4. New California amendment: California language appears underlined and in Italics.
5. Repealed text: Shown as ~~Strikeout~~.
6. IFC text proposed to be removed: Shown as ~~Strikeout~~.

AMENDMENTS, REPEAL OF EXISTING AMENDMENTS AND/OR CALIFORNIA BUILDING STANDARDS NOT ADDRESSED BY MODEL CODES THAT ARE NO LONGER NECESSARY AS FOLLOWS:

CHAPTER 2

**CALIFORNIA FIRE CODE – MATRIX ADOPTION TABLE
CHAPTER 2 – DEFINITIONS**

Adopting Agency	BSC	SFM	HCD			DSA		OSHDPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																			
Adopt Entire Chapter as amended (amended sections listed below)		X																	
Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
Fire-Retardant Treated Wood	CA	X																	
<u>Laboratory</u>	CA	X																	

Training and skill development not within a school or academic program

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143

[B] Institutional Group I. Institutional Group I occupancy includes, among others, the use of a building or structure, or a portion thereof, in which people are cared for or live in a supervised environment, having physical limitations because of health or age are harbored for medical treatment or other care or treatment, or in which people are detained for penal or correctional purposes or in which the liberty of the occupants is restricted. Institutional occupancies shall be classified as Group I-1, I-2, I-3 or I-4. Restraint shall not be permitted in any building except in Group I-3 occupancies constructed for such use. See California Building Code Section 308.4. ~~See special provisions for I-2.1 occupancies in Section 509.9.~~

~~Group I Occupancies shall not include buildings used only for private residential purposes for a family group.~~

~~Where occupancies house both ambulatory and non-ambulatory persons, the more restrictive requirements shall apply.~~

Authority: Health and Safety Code Sections 1502, 1568.02, 1569.72, 11159.2, 13131, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

[B] Group L Laboratories. ~~For applications listed in Section 111 regulated by the Office of the State Fire Marshal, Group L occupancies shall include buildings and structures or portions thereof, used as laboratories for scientific experimentation or research having quantities of materials not in excess of those listed in Tables 307.1(1) and 307.1(2) of the California Building Code except as modified in this section and not classified as Group B occupancy. This occupancy shall be designed and constructed in accordance with the requirements for a Group B occupancy except as specified in this section. Group L occupancy includes, among others, the use of a building or structure, or a portion thereof containing laboratory suites as defined in California Building Code Section 443.~~

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

[B] WINERY CAVES. A subterranean space for winery facilities in natural or manmade caves shall be in accordance with this California Building Code, Section 436. ~~Winery Caves have a floor level used for human occupancy more than 30 feet (9144 mm) below the lowest level of exit discharge.~~

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

CHAPTER 6

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE CHAPTER 6 – BUILDING SERVICES AND SYSTEMS

Adopting Agency	BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter		X																	
Adopt Entire Chapter as amended (amended sections listed below)		X																	

Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
604.2.12.1.1	CA		X																
604.2.15.1.3	CA		X																
604.2.15.3	CA		X																
607.4 – 607.4.3	CA		X																

604.2.15.1.1 Fuel supply. An on-premises fuel supply, sufficient for not less than ~~2-hour~~ six hours full-demand operation of the system, shall be provided.

Exception: When approved, the system shall be allowed to be supplied by natural gas pipelines.

604.2.15.1.3 Connected facilities. Power and lighting facilities for the fire command center and elevators specified in Sections 403.8 and 403.9 of the *California Building Code*, as applicable, ~~and electrically powered fire pumps required to maintain pressure,~~ shall be transferable to the standby source. Standby power shall be provided for at least one elevator to serve all floors and be transferable to any elevator.

604.2.15.3 Emergency systems. An emergency power system shall be provided for exit Exit signs, exit illumination as required by Chapter 10, ~~and elevator car lighting and electrically powered fire pumps required to maintain pressure are classified as emergency systems~~ and shall operate within 10 seconds of failure of the normal power supply and shall be capable of being transferred to the ~~standby source~~ emergency power supply.

Exception: Exit sign, exit and means of egress illumination are permitted to be powered by a standby source in buildings of Group F and S occupancies.

Authority: Health and Safety Code Sections 13210, 13211, 13143, 18949.2(b)

References: 13211 and 13143

[B] 607.4. Shunt trip. Where elevator hoistways or elevator machine rooms containing elevator control equipment are protected with automatic sprinklers, a means installed in accordance with NFPA 72, Section 6.16.4, Elevator Shutdown, shall be provided to disconnect automatically the main line power supply to the affected elevator prior to the application of water. This means shall not be self-resetting. The activation of sprinklers outside the hoistway or machine room shall not disconnect the main line power supply.

[B] 607.4.1 Elevator power shunt-trip shall not activate prior to the completion of elevator Phase I emergency recall operation to the designated recall floor.

[B] 607.4.2 The elevator power shunt-trip shall be disengaged and shall not activate, in Phase II emergency in-car operation.

[B] 607.4.3 Audible and visual annunciation shall be provided inside all elevator cars and at the fire alarm control unit indicating that the automatic sprinklers or heat detectors in the elevator hoistway or elevator machine room have activated.

Authority: Health and Safety Code Sections 13210, 13211, 13143, 18949.2(b)

References: 13211 and 13143

CHAPTER 8

TABLE 803.3

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY^k

GROUP	SPRINKLERED ^l			NONSPRINKLERED ^m		
	Exit enclosures and exit passageways ^{a,b}	Corridors	Rooms and enclosed spaces ^c	Exit enclosures and exit passageways ^{a,b}	Corridors	Rooms and enclosed spaces ^c
A-1 & A-2	B	B	C	A	A ^d	B ^e
A-3 ^f , A-4, A-5	B	B	C	A	A ^d	C
B, E, <u>L</u> , M, R-1, R-4	B	C	C	A	B	C
F	C	C	C	B	C	C
H	B	B	C ^g	A	A	B
I-1	B	C	C	A	B	B
I-2, I-2.1	B	B	B ^{h,i}	A	A	B
I-3	A	A ^j	B	—	—	—
I-4	B	B	B ^{h,i}	A	A	B
R-2	C	C	C	B	B	C
R-3, R3-1	C	C	C	C	C	C
S	C	C	C	B	B	C
U	No restrictions			No restrictions		

For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929m².

a. Class C interior finish materials shall be permitted for wainscoting or paneling of not more than 1,000 square feet of applied surface area in the grade lobby where applied directly to a noncombustible base or over furring strips applied to a noncombustible base and fireblocked as required by Section 803.4.1.

b. In exit enclosures of buildings less than three stories in height of other than Group I-3, Class B interior finish for nonsprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted.

c. Requirements for rooms and enclosed spaces shall be based upon spaces enclosed by partitions. Where a fire-resistance rating is required for structural elements, the enclosing partitions shall extend from the floor to the ceiling. Partitions that do not comply with this shall be considered enclosing spaces and the rooms or spaces on both sides shall be considered one. In determining the applicable requirements for rooms and enclosed spaces, the specific occupancy thereof shall be the governing factor regardless of the group classification of the building or structure.

d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall not be less than Class B materials.

e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 300 persons or less.

f. For places of religious worship, wood used for ornamental purposes, trusses, paneling or chancel furnishing shall be permitted.

g. Class B material is required where the building exceeds two stories.

h. Class C interior finish materials shall be permitted in administrative spaces.

i. Class C interior finish materials shall be permitted in rooms with a capacity of four persons or less.

j. Class B materials shall be permitted as wainscoting extending not more than 48 inches above the finished floor in corridors.

k. Finish materials as provided for in other sections of this code.

l. Applies when the exit enclosures, exit passageways, corridors or rooms and enclosed spaces are protected by a sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.

m. [SFM] Not permitted for Group I-3.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

CHAPTER 9

**CALIFORNIA FIRE CODE – MATRIX ADOPTION TABLE
CHAPTER 9 – FIRE PROTECTION SYSTEMS**

Adopting Agency		BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
				1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																				
Adopt Entire Chapter as amended (amended sections listed below)			X																	
Adopt only those sections that are listed below																				
Chapter / Section	Codes																			
<u>903.2.1.2</u>	<u>CA</u>		<u>X</u>																	
<u>903.2.1.3</u>	<u>CA</u>		<u>X</u>																	
<u>903.2.3.1</u>	<u>CA</u>		<u>X</u>																	
<u>903.2.6</u>	<u>CA</u>		<u>X</u>																	
<u>903.4.2</u>	<u>CA</u>		<u>X</u>																	
<u>907.2.12.1.1</u>	<u>CA</u>		<u>X</u>																	
<u>907.2.12.1.2</u>	<u>CA</u>		<u>X</u>																	
<u>907.2.28</u>	<u>CA</u>		<u>X</u>																	
<u>910.1</u>	<u>CA</u>		<u>X</u>																	
<u>910.3.1</u>	<u>CA</u>		<u>X</u>																	

903.2.1.2 Group A-2. An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet (465 m2);
2. The fire area has an occupant load of 100 or more; or
3. The fire area is located on a floor other than the level of exit discharge.
4. The structure exceeds 5,000 square feet (465 m2), contains more than one fire area containing a Group A-2 occupancy, and is separated into two or more buildings by fire walls of less than four hour fire resistance rating.

903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for Group A-3 occupancies where one of the following conditions exists:

1. The fire area exceeds 12,000 square feet (1115 m2).
2. The fire area has an occupant load of 300 or more.
3. The fire area is located on a floor other than the level of exit discharge.
4. The structure exceeds 12,000 square feet (1155 m2), contains more than one fire area containing exhibition and display rooms, and is separated into two or more buildings by fire walls of less than four hour fire resistance rating.

Exception: Areas used exclusively as participant sports areas where the main floor area is located at the same level as the level of exit discharge of the main entrance and exit.

903.2.2 Group E. Except as provided for in Sections 903.2.2.1 for a new public school campus and 907.2.3.6.1 (fire alarm and detection) for modernization of an existing public school campus building(s), an automatic sprinkler system shall be provided for Group E occupancies as follows:

1. Throughout all Group E fire areas greater than 20,000 square feet (1858 m2) in area.
2. Throughout every portion of educational buildings below the level of exit discharge.
3. *In rooms or areas with special hazards such as laboratories, vocational shops and other such areas where hazardous materials in exempt amounts are used or stored.*

4. Throughout any Group E structure greater than 20,000 square feet (1155 m²) in area, which contains more than one fire area, and which is separated into two or more buildings by fire walls of less than four hour fire resistance rating.

Exception: An automatic sprinkler system is not required in any fire area or area below the level of exit discharge where every classroom throughout the building has at least one exterior exit door at ground level.

903.2.3.1 Woodworking operations. An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations in excess of 2,500 square feet (232m²) in area which generate finely divided combustible waste or use finely divided combustible materials. [SFM] A fire wall of less than four-hour fire-resistance rating, or any fire wall with openings, shall not be used to establish separate fire areas.

903.2.6 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. Where a Group M fire area exceeds 12,000 square feet (1115 m²);
2. Where a Group M fire area is located more than three stories above grade plane; or
3. Where the combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).
4. [SFM] The structure exceeds 24,000 square feet (465 m²), contains more than one fire area containing a Group M occupancies, and is separated into two or more buildings by fire walls of less than four hour fire resistance rating.

Authority: Health and Safety Code Sections 13143, 13108.5(a) and 18949.2(b) and (c) and Government Code Section 51189.

References: Health and Safety Code Sections 13143 and Government Code Sections 51176, 51177, 51178 and 51179 and Public Resources Code Sections 4201 through 4204

903.2.7 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exceptions:

1. *Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress, unless specifically required by other sections of this code, or classified as Group R-4.*
2. *Group U private garages accessory to a Group R-3 occupancy.*
3. *Group R-3.1 occupancies not housing bedridden clients, not housing nonambulatory clients above the first floor and not housing clients above the second floor.*
4. Group R-3.1 occupancies housing only one bedridden client and complying with Section 425.8.3.3.
- 4-5. *Pursuant to Health and Safety Code Section 13113, occupancies housing ambulatory children only, none of whom are mentally ill or mentally retarded, and the buildings or portions thereof in which such children are housed are not more than two stories in height, and buildings or portions thereof housing such children have an automatic fire alarm system activated by approved smoke detectors.*
- 5-6. *Pursuant to Health and Safety Code Section 13143.6, occupancies licensed for protective social care which house ambulatory clients only, none of whom is a child (under the age of 18 years), or who is elderly (65 years of age or over).*

An automatic sprinkler system designed in accordance with Section 903.3.1.3 shall not be utilized in Group R-4.

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6, 18949.2(b)

References: Health and Safety Code Sections 13143

903.4.2 Alarms. ~~One exterior Approved-approved~~ audible devices shall be connected to every automatic sprinkler system in an approved location. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. ~~Alarm devices shall be provided on the exterior of the building in an approved location.~~ Where a building fire alarm system is installed, actuation of the

automatic sprinkler system shall actuate the building fire alarm system. Visible alarm notification appliances shall not be required except when required by section 907.

Authority: Health and Safety Code Sections 13143, 13113, 13114.7, 18949.2(b)

References: Health and Safety Code Sections 13143

906.1 Where required. Portable fire extinguishers shall be installed in the following locations.

1. In new and existing Group A, B, E, F, H, I, L, M, R-1, R-2, R-4 and S occupancies.
2. Within 30 feet (9144 mm) of commercial cooking equipment.
3. In areas where flammable or combustible liquids are stored, used or dispensed.
4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1.
5. Where required by the sections indicated in Table 906.1.
6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms, where required by the fire code official.
7. *Large- and small-family day-care homes shall be equipped with a portable fire extinguisher having a minimum 2A:10-B:C rating.*

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

907.2.8.4 Fire alarm systems in Group R-4 occupancies. *An approved manual and automatic fire alarm system shall be installed in Group R-4 occupancies.*

Exceptions:

1. *Protective social care occupancies housing persons none of whom are physically or mentally handicapped or nonambulatory and which provide supervisory services such as alcoholism or drug abuse recovery or treatment facilities., halfway houses operated by the California Department of Corrections, and similar facilities and are provided with a manual fire alarm box which will actuate a distinctive fire alarm signal that can be heard throughout the facility.*
- 2 *Protective social care facilities provided with an automatic sprinkler system which complies with Chapter 9 and are provided with a manual fire alarm box which will actuate a distinctive fire alarm signal that can be heard throughout the facility.*

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

907.2.12.1 Automatic fire detection.

907.2.12.1.1 Smoke Detection. Smoke detectors shall be provided in accordance with this section. Smoke detectors shall be connected to an automatic fire alarm system. The activation of any detector required by this section shall operate the emergency voice/alarm communication system in accordance with Section 907.6.2.2. Smoke detectors shall be located as follows:

1. In each mechanical equipment, electrical, transformer, telephone equipment or similar room which is not provided with sprinkler protection, ~~elevator machine rooms, and in elevator lobbies.~~
2. In each elevator machine room and in elevator lobbies.

907.2.12.1.2 Duct smoke detection. Smoke detectors listed for use in air duct systems shall be provided in accordance with this section and the California Mechanical Code. The activation of any detector required by this section shall initiate a visible and audible supervisory signal at a constantly attended location. Duct smoke detectors shall be located as follows:

- ~~2.~~ 1. In the main return air and exhaust air plenum of each air-conditioning system having a capacity greater than 2,000 cubic feet per minute (cfm) (0.94 m³/s). Such detectors shall be located in a serviceable area downstream of the last duct inlet.

3. 2. At each connection to a vertical duct or riser serving two or more stories from a return air duct or plenum of an air-conditioning system. In Group R-1 and R-2 occupancies, a duct smoke detector is allowed to be used in each return-air riser carrying not more than 5,000 cfm (2.4m³/s) and serving not more than 10 air-inlet openings.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

907.2.28 Group L. *A manual fire alarm system shall be installed throughout buildings containing Group L occupancy.*

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

907.12 Duct smoke detectors. Smoke detectors installed in ducts shall be listed for the air velocity, temperature and humidity present in the duct. Duct smoke detectors shall be connected to the building's fire alarm control unit when a fire alarm system is required by 907.2. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location and shall perform the intended fire safety function in accordance with this code and the California Mechanical Code. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exceptions:

1. The supervisory signal at a constantly attended location is not required where duct smoke detectors activate the buildings alarm notification appliances.
2. In occupancies not required to be equipped with a fire alarm system, actuation of a smoke detector shall activate a visible and an audible signal in an approved location. Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

910.1 General. Where required by this code or otherwise installed, smoke and heat vents or mechanical smoke exhaust systems and draft curtains shall conform to the requirements of this section.

Exceptions:

1. Frozen food warehouses used solely for storage of Class I and II commodities where protected by an approved automatic sprinkler system.
2. Where areas of buildings are equipped with early suppression fast-response (ESFR) sprinklers, automatic smoke and heat vents shall not be required within these areas. This exception shall not apply to any state institution or other state-owned or state-occupied buildings and other applications listed in Section 111 regulated by the Office of the State Fire Marshal.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

910.3.1 Design. Smoke and heat vents shall be listed and labeled to indicate compliance with FM 4430, ICC ES AC 333, or UL 793.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

CHAPTER 10

CALIFORNIA FIRE CODE – MATRIX ADOPTION TABLE CHAPTER 10 – MEANS OF EGRESS

Adopting Agency	BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																			
Adopt Entire Chapter as amended (amended sections listed below)		X																	
Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
Table 1004.1.1	CA	X																	
1008.1.9	CA	X																	

**TABLE 1004.1.1
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER OCCUPANT
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Assembly with fixed seats	See Section 1004.7
Assembly without fixed seats	
Concentrated (chairs only-not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms-other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross
Educational Classroom area	20 net

Shops and other vocational room areas	50 net
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
<u>Laboratory</u>	<u>50 net</u>
<u>Educational</u>	<u>100 net</u>
<u>Laboratories, non-educational</u>	<u>200 gross</u>
<u>Laboratory suite^a</u>	
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross
Mercantile	
Areas on other floors	60 gross
Basement and grade floor areas	30 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Warehouses	500 gross

For SI: 1 square foot = 0.0929 m².

^a See section 443.2 of the California Building Code.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

1008.1.2 Door swing. Egress doors shall be side-hinged swinging.

Exceptions:

1. Private garages, office areas, factory and storage areas with an occupant load of 10 or less.
 2. Group I-3 occupancies used as a place of detention.
 3. Critical or intensive care patient rooms within suites of health care facilities.
 4. Doors within or serving a single dwelling unit in Groups R-2 and R-3.
 5. In other than Group H occupancies, revolving doors complying with Section 1008.1.
 6. In other than Group H occupancies, horizontal sliding doors complying with Section 1008.1.3.3 are permitted in a means of egress.
 7. Power-operated doors in accordance with Section 1008.1.3.2.
 8. Doors serving a bathroom within an individual sleeping unit in Group R-1.
- Doors shall swing in the direction of egress travel where serving an occupant load of 50 or more persons or a Group H occupancy.
- ~~9. In a Group I-2 occupancy, all required exterior egress doors shall open in the direction of egress regardless of the occupant load served.~~

~~40.9. In I-2 and I-2.1 occupancies, exit doors serving an occupant load of 10 or more, may be of the pivoted or balanced type.~~

Doors shall swing in the direction of egress travel where serving an occupant load of 50 or more persons or a Group H occupancy. For Group L occupancies see Section 443.6.3.

In a Group I-2 occupancy, all required exterior egress doors shall open in the direction of egress regardless of the occupant load served.

The opening force for interior side-swinging doors without closers shall not exceed a 5-pound (22 N) force. For other side-swinging, sliding and folding doors, the door latch shall release when subjected to a 15-pound (67 N) force. The door shall be set in motion when subjected to a 30-pound (133 N) force. The door shall swing to a full-open position when subjected to a 15-pound (67 N) force. Forces shall be applied to the latch side.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

1008.1.8.6 Delayed Egress Locks. Approved, listed, delayed egress locks shall be permitted to be installed on doors serving any occupancy except Group A, E, H and L occupancies...

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

1008.1.9 Panic and fire exit hardware. Where panic and fire exit hardware is installed, it shall comply with the following:...

Each door in a means of egress from a Group A or assembly area not classified as an assemble occupancy, E, I-2 or I-2.1 occupancies having an occupant load of 50 or more and Group H occupancy shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware. For Group L occupancies see Section 443.6.4.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

~~**[B] 1011.6 Floor-level exit signs.** Where exit signs are required by Chapter 10, additional approved low-level exit signs which are internally or externally illuminated photoluminescent or self-luminous, shall be provided in all interior corridors of Group A Occupancies, Group I Occupancies and in all interior rated exit corridors serving guest rooms of hotels in Group R, Division 1 occupancies.~~

Exceptions:

- ~~1. Group A Occupancies that are protected throughout by an approved supervised fire sprinkler system.~~
- ~~2. Group I occupancies which are provided with smoke barriers constructed in accordance with Section 407.4~~
- ~~3. Group I, Division 3 occupancies.~~

~~The bottom of the sign shall not be less than 6 inches (152 mm) or more than 8 inches (203 mm) above the floor level and shall indicate the path of exit travel. For exit and exit access doors, the sign shall be on the door or adjacent to the door with the closest edge of the sign or marker within 4 inches (102 mm) of the door frame.~~

Note: ~~Pursuant to Health and Safety Code Section 13143, this California amendment applies to all newly constructed buildings or structures subject to this section for which a building permit is issued (or construction commenced, where no building permit is issued) on or after January 1, 1989.~~

1011.6 Floor-level exit signs. *Where exit signs are required by Chapter 10, additional approved floor-level exit signs which are internally or externally illuminated, photoluminescent or self-luminous shall be provided in all interior corridors of Groups A, E, I, R-1, R-2 and R-4 Occupancies.*

Exceptions:

1. Where path marking complying with Section 1011.7 is provided.
2. Group I-3 Occupancies.

The bottom of the sign shall not be less than 6 inches (152 mm) or more than 8 inches (203 mm) above the floor level and shall indicate the path of exit travel. For exit and exit-access doors, the sign shall be on the door or adjacent to the door with the closest edge of the sign or marker within 4 inches (102 mm) of the door frame.

Authority: Health and Safety Code Sections 13143, 17920.8

References: Health and Safety Code Sections 13143

~~**[B] 1011.7 Path marking.** *When exit signs are required by Chapter 10, in addition to approved floor level exit signs, approved path marking shall be installed at floor level or no higher than 8 inches (203 mm) above the floor level in all interior rated exit corridors of unsprinklered Group A Occupancies, and Group R-1 and R-2 Occupancies. Such marking shall be continuous except as interrupted by door ways, corridors or other such architectural features in order to provide a visible delineation along the path of travel.*~~

~~**Note:** *Pursuant to Health and Safety Code Section 13143, the California amendments of this section shall apply to all newly constructed buildings or structures subject to this section for which a building permit is issued (or construction commenced, where no building permit is issued) on or after January 1, 1989.*~~

1011.7 Path marking. *When exit signs are required by Chapter 10, approved path marking shall be installed at floor level or no higher than 8 inches (203 mm) above the floor level in all interior corridors of Groups A, E, I, R-1, R-2 and R-4 Occupancies.*

Such marking shall be continuous except as interrupted by door ways, corridors or other such architectural features in order to provide a visible delineation along the path of travel and shall comply with Section 1011.5.3.

Exceptions:

1. Where floor level exit signs complying with Section 1011.6 are provided.
2. Group I-3 Occupancies.

Authority: Health and Safety Code Sections 13143, 17920.8

References: Health and Safety Code Sections 13143

1015.1 Exit or exit access doorways required. Two exits or exit access doorways from any space shall be provided where one of the following conditions exists:

1. The occupant load of the space exceeds the values in Table 1015.1.
2. The common path of egress travel exceeds the limitations of Section 1014.3.
3. Where required by Sections 1015.3, 1015.4 and 1015.5.
4. *In detention and correctional facilities and holding cells; such as are found in courthouse buildings, a minimum of two means of egress shall be provided when the occupant load is more than 20.*

Exception: Group I-2 occupancies shall comply with Section 1014.2.2.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

TABLE 1015.1
SPACES WITH ONE MEANS OF EGRESS

OCCUPANCY	MAXIMUM OCCUPANT LOAD
A, B, E ^a , F, M, U	49
H-1, H-2, H-3	3
H-4, H-5, I-1, I-3, I-4, R	10
S	29
<u>L</u>	<u>See Section 443.6.1</u>

a. Day care maximum occupant load is 10.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

TABLE 1016.1
EXIT ACCESS TRAVEL DISTANCE^a

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, I-1, M, R, S-1	200	250 ^b
B	200	300 ^c
F-2, S-2, U	300	400 ^c
H-1	Not Permitted	75 ^c
H-2	Not Permitted	100 ^c
H-3	Not Permitted	150 ^c
H-4	Not Permitted	175 ^c
H-5	Not Permitted	200 ^c
I-2, I-3 ^d , I-4	150	200 ^c
<u>L</u>	<u>Not Permitted</u>	<u>300^c</u>

For SI: 1 foot = 304.8 mm.

a. See the following sections for modifications to exit access travel distance requirements:

Section 402: For the distance limitation in malls of the California Building Code.

Section 404: For the distance limitation through an atrium space of the California Building Code.

Section 1016.2 For increased limitations in Groups F-1 and S-1.

Section 1025.7: For increased limitation in assembly seating.

Section 1025.7: For increased limitation for assembly open-air seating.

Section 1019.2: For buildings with one exit.

Chapter 31: For the limitation in temporary structures of the California Building Code.

b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems in accordance with Section 903.3.1.2 are permitted.

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

d. ~~Not permitted in nonsprinklered Group I-2 and Group I-3 occupancies.~~

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

TABLE 1017.1
CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (hours)	
		Without sprinkler system	With sprinkler system ^c
H-1, H-2, H-3, L	All	Not Permitted	1
H-4, H-5, L	Greater than 30	Not Permitted	1
A ^d , B, F, M, S, U	Greater than 30	1	0
R	Greater than 10	Not Permitted	1
I-2 ^a , I-2.1, I-4	<i>Greater than 6</i>	Not Permitted	1
I-1, I-3	<i>Greater than 6</i>	Not Permitted	1 ^b
E	<i>Greater than 10</i>	1	1

a. For requirements for occupancies in Group I-2, see Section 407.3 of the *California Building Code*.

b. For a reduction in the fire-resistance rating for occupancies in Group I-3, see Section 408.7 of the *California Building Code*.

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 where allowed.

d. [SFM] See Section 1025.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

1017.2 Corridor width. The minimum corridor width shall be as determined in Section 1005.1, but not less than 44 inches (1118 mm).

Exceptions:

1. Twenty-four inches (610 mm)—For access to and utilization of electrical, mechanical or plumbing systems or equipment.
2. Thirty-six inches (914 mm)—With a required occupant capacity of less than 50.
3. Thirty-six inches (914 mm)—Within a dwelling unit.
4. Seventy-two inches (1829 mm)—In Group E with a corridor having a required capacity of 100 or more.
5. Seventy-two inches (1829 mm)—In corridors serving surgical Group I, health care centers for ambulatory patients receiving outpatient medical care, which causes the patient to be not capable of self-preservation.
6. Ninety-six inches (2438 mm)—In Group I-2 *and I-3 occupancies* in areas where required for bed movement ~~or 7. Corridors in Group I-2 and I-3 occupancies serving any area caring for one or more nonambulatory persons shall not be less than 8 feet (2438 mm) in width.~~

Authority: Health and Safety Code Sections 13108, 13113, 13143

References: Health and Safety Code Sections 13143

1017.4 Air movement in corridors. Corridors shall not serve as supply, return, exhaust, relief or ventilation air ducts ~~when required to be fire-resistive rated in accordance with Table 1017.1.~~

Exceptions:

1. Use of a corridor as a source of makeup air for exhaust systems in *small rooms of 30 square feet (2.8 m²) or less* that open directly onto such corridors, including toilet rooms, bathrooms, dressing rooms, and janitor closets, shall be permitted, provided that each such corridor is directly supplied with outdoor air at a rate greater than the rate of makeup air taken from the corridor.
2. Where located within a dwelling unit, the use of corridors for conveying return air shall not be prohibited.
3. Where located within tenant spaces of 1,000 square feet (93 m²) or less in area, utilization of corridors for conveying return air is permitted.
4. [OSHPD 1, 2, 3 & 4] *For restrictions on the use of corridors to convey air, see Chapter 4 of the California Mechanical Code.*
5. [SFM] *For health care facilities under the jurisdiction of the Office of Statewide Health Planning and Development (OSHPD), see the California Mechanical Code.*

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

1025.3.1 Occupant loads less than 300. ~~For Group A occupancies, at least one exit shall discharge on a street or an unoccupied space of not less than 20 feet (6096 mm) in width that adjoins a street or public way. Group A occupancies that have an occupant load of 100 or more and less than 300 shall have at least one of the required means of egress directly to an exit, or through a lobby, that is not used to access the main exit, to an exit or to a 1-hour-rated corridor to an exit or continuous through a 1-hour-rated lobby to an exit. At least one exit shall discharge on a street or an unoccupied space of not less than 20 feet (6096 mm) in width that adjoins a street or public way.~~

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

CHAPTER 22

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE CHAPTER 22 – MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

Adopting Agency		BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
				1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																				
Adopt Entire Chapter as amended (amended sections listed below)			X																	
Adopt only those sections that are listed below																				
Chapter / Section	Codes																			
<u>2201.1</u>	<u>CA</u>		X																	
<u>2203.1</u>	<u>CA</u>		X																	
<u>2206.2</u>	<u>CA</u>		X																	
<u>2206.7.6</u>	<u>CA</u>		X																	
<u>2206.7.9</u>	<u>CA</u>		X																	

2201.1 Scope. Automotive motor fuel-dispensing facilities, marine motor fuel-dispensing facilities, fleet vehicle motor fuel-dispensing facilities and repair garages shall be in accordance with this chapter and the *California Building Code*, *California Plumbing Code*, and the *California Mechanical Code* and the *California Health and Safety Code*. Such operations shall include both operations that are accessible to the public and private operations.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

2203.1 Location of dispensing devices. Dispensing devices shall be located as follows:

1. Ten feet (3048 mm) or more from lot lines.
2. Ten feet (3048 mm) or more from buildings having combustible exterior wall surfaces or buildings having noncombustible exterior wall surfaces that are not part of a 1-hour fire-resistance-rated assembly or buildings having combustible overhangs.

Exception: Canopies constructed in accordance with the *California Building Code* providing weather protection for the fuel islands.

3. Such that all portions of the vehicle being fueled will be on the premises of the motor fuel-dispensing facility.
4. Such that the nozzle, when the hose is fully extended, will not reach within 5 feet (1524 mm) of building openings.
5. Twenty feet (6096 mm) or more from fixed sources of ignition.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

2206.2 Method of storage. Approved methods of storage for Class I, II and IIIA liquid fuels at motor fuel-dispensing facilities shall be in accordance with Sections 2206.2.1 through 2206.2.5 and the applicable sections of the Health and Safety Code Division 26, Part 4, Chapter 3, Article 5, Section 41950 et seq. and Health and Safety Code Section 25290.1.2.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

2206.7.6 Fuel delivery nozzles. A listed automatic-closing-type hose nozzle valve with ~~or without~~ a latch-open device shall be provided on island-type dispensers used for dispensing Class I, II or IIIA liquids.

Overhead-type dispensing units shall be provided with a listed automatic-closing-type hose nozzle valve ~~without~~ a latch-open device. The design of the system shall be such that the hose nozzle valve will close automatically in the event the valve is released from a fill opening or upon impact with a driveway.

~~**Exception:** A listed automatic-closing-type hose nozzle valve with latch-open device is allowed to be used on overhead-type dispensing units where the design of the system is such that the hose nozzle valve will close automatically in the event the valve is released from a fill opening or upon impact with a driveway.~~

Any latch-open device determined to be inoperative by the fire code official shall be repaired or replaced, within 48 hours after notification.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b), 41960.6

References: Health and Safety Code Sections 13143

2206.7.9 Vapor-recovery and vapor-processing systems. Vapor-recovery and vapor-processing systems shall be in accordance with Sections 2206.7.9.1 through 2206.7.9.2.4 and Health and Safety Code Division 26, Part 4, Chapter 3, Article 5, Section 41950 et seq. and Health and Safety Code Section 25290.1.2.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

CHAPTER 23

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE CHAPTER 23 – HIGH-PILED COMBUSTIBLE STORAGE

Adopting Agency	BSC	SFM	HCD			DSA		OSHDP				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter		X																	
Adopt Entire Chapter as		X																	

amended (amended sections listed below)																			
Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
Table 2306.2	CA		X																

TABLE 2306.2 footnote j

Revise Footnote j to Table 2306.2 as follows:

j. Not required when storage areas are protected by early suppression fast response (ESFR) sprinkler systems installed in accordance with NFPA 13. *This footnote shall not apply to any state institution or other state-owned or state-occupied buildings or other applications listed in Section 111 regulated by the Office of the State Fire Marshal.*

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)

References: Health and Safety Code Sections 13143

CHAPTER 27

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE CHAPTER 27 – HAZARDOUS MATERIALS—GENERAL PROVISIONS

Adopting Agency	BSC	SFM	HCD			DSA		OSHDPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																			
Adopt Entire Chapter as amended (amended sections listed below)		X																	
Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
Table 2703.1.1(1)	CA	X																	
Table 2703.1.1(2)	CA	X																	

TABLE 2703.1.1(1) footnote d:

Revise Footnote d to Table 2703.1.1(1) as follows:

Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler systems in accordance with Section 903.3.1.1. Where note e also applies, the increase for both notes shall be applied accumulatively. *This footnote shall not be applicable to Group L Occupancies.*

TABLE 2703.1.1(2) footnote e:

Revise Footnote e to Table 2703.1.1(2) as follows:

Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an automatic sprinkler systems in accordance with Section 903.3.1.1. Where note e also applies, the increase for both notes shall be applied accumulatively. *This footnote shall not be applicable to Group L Occupancies.*

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

CHAPTER 34

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE CHAPTER 34 – FLAMMABLE AND COMBUSTIBLE LIQUIDS

Adopting Agency	BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
			1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																			
Adopt Entire Chapter as amended (amended sections listed below)		X																	
Adopt only those sections that are listed below																			
Chapter / Section	Codes																		
3401.3	CA	X																	
3404.1	CA	X																	
3406.8	CA	X																	
3406.8.3	CA	X																	
3404.3.1.2	CA	X																	

3401.3 Referenced documents. The applicable requirements of Chapter 27, other chapters of this code, the *California Building Code*, ~~and the~~ *California Mechanical Code* and the Health and Safety Code, pertaining to flammable liquids and vapors shall apply.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

3404.1 General. The storage of flammable and combustible liquids in containers and tanks shall be in accordance with this section and the applicable sections of Chapter 27 and the applicable sections of the Health and Safety Code Division 26, Part 4, Chapter 3, Article 5.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

3406.8 Vapor recovery and vapor-processing systems. Vapor-processing systems in which the vapor source operates at pressures from vacuum, up to and including 1 psig (6.9 kPa) or in which a potential exists for vapor mixtures in the flammable range, shall comply with Sections 3406.8.1 through 3406.8.5 and the applicable sections of the Health and Safety Code.

Exceptions:

1. Marine systems complying with federal transportation waterway regulations such as DOTn 33 CFR, Parts 154 through 156, and CGR 46 CFR, Parts 30, 32, 35 and 39.
2. Motor fuel-dispensing facility systems complying with Chapter 22.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

3406.8.3 Vapor collection systems and overfill protection. The design and operation of the vapor collection system and overfill protection shall be in accordance with this section and Section 7.10 of NFPA 30 and Health and Safety Code Division 26, Part 4, Chapter 3, Article 5.

Authority: Health and Safety Code Sections 13108, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

3404.3.1.2 Portable fuel containers. Portable fuel containers of 10 gallons (37.85 L) or less shall be listed and approved by the California State Fire Marshal and comply with the provisions of Division 1, Chapter 1.5, Title 19 California Code of Regulations.

Authority: Health and Safety Code Sections 13139, 13143, 18949.2(b)
References: Health and Safety Code Sections 13143

CHAPTER 45

ASTM ASTM International
100 Barr Harbor Drive
West Conshohocken , PA 19428-2959

Standard reference number	Title	Referenced in code section number
<i>E-2010-01</i>	<i>Standard Test Method for Positive Pressure Fire Tests of Window assemblies.....</i>	<i>704A.3.2.2</i>
<i>E-2074-00</i>	<i>Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side Hinged and Pivoted Swinging Door Assemblies.....</i>	<i>704A.3.2.3</i>

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

FM Factory Mutual
Standards Laboratories Department
1151 Boston-Providence Turnpike
Norwood, MA 02062

Standard reference number	Title	Referenced in code section number
<i>FM 4430-80</i>	<i>Acceptance Criteria for Smoke and Heat Vents.....</i>	<i>910.3.1</i>

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

ICC

International Code Council
500 New Jersey Avenue, NW
6th Floor
Washington, DC 20001

Standard reference number	Title	Referenced in code section number
<u>ICC ES AC 333</u>	<u>Acceptance Criteria for Smoke and Heat Vents.....</u>	<u>910.3.1</u>
<u>ICC ES AC77</u>	<u>Acceptance Criteria for Smoke Containment Systems Used with Fire-resistance-rated Elevator Hoistway Doors and Frames.....</u>	<u>707.14.1</u>

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
14—03	Installation of Standpipe and Hose System, <u>as amended</u>	905.2, 905.3.4, 905.4.2, 905.8
	<u>*NFPA 14, Amended Sections as follows:</u>	
	<u>Replace Section 6.3.7.1</u>	
	<u>6.3.7.1 System water supply valves, isolation control valves, and other valves in fees mains shall be supervised in an approved manner in the open position by one of the following methods:</u>	
	<u>(1) Where a building has a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by:</u>	
	<u>(a) a central station, proprietary, or remote supervising station, or</u>	
	<u>(b) a local signaling service that initiates an audible signal at a constantly attended location.</u>	
	<u>(2) Where a building does not have a fire alarm system or a sprinkler monitoring system installed, the valve shall be supervised by:</u>	
	<u>(a) Locking the valves in the open position, or</u>	
	<u>(b) Sealing of valves and a approved weekly recorded inspection where valves are located within fenced enclosures under the control of the owner.</u>	

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

Standard reference	Referenced in code
-----------------------	-----------------------

number	Title	section number
24—02 07	<p><i>Installation of Private Fire Service Mains and Their Appurtenances, , as amended*</i></p> <p><u><i>*NFPA 24, Amended Sections as follows:</i></u></p> <p><u><i>Amend Section 4.2.1</i></u></p> <p>Section 4.2.1. <i>Installation work shall be done by fully experienced and responsible persons <u>contractors</u>. <u>Contractors shall be appropriately licensed in the State of California to install private fire service mains and their appurtenances.</u></i></p> <p><u><i>Revise Section 4.2.2 as follows:</i></u></p> <p>4.2.2 <i><u>Installation or modification of private fire service mains shall not begin until plans are approved and appropriate permits secured from the authority having jurisdiction shall always be consulted before the installation or remodeling of private fire service mains.</u></i></p> <p><u><i>Add Section 4.2.2.1 as follows:</i></u></p> <p>4.2.2.1 <i><u>As approved by the authority having jurisdiction, emergency repair of existing system may start immediately, with plans being submitted to the authority having jurisdiction within 96 hours from the start of the repair work.</u></i></p> <p><u><i>Revise Section 5.9.1.2 as follows:</i></u></p> <p>Section 5.9.1.2 <i>Fire department connections shall be properly supported <u>and protected from mechanical damage.</u></i></p> <p><u><i>Revise Section 5.9.5.1 as follows:</i></u></p> <p>5.9.5.1 <i>Fire department connections shall be on the street side of buildings and <u>as approved by the authority having jurisdiction.</u></i></p> <p><u><i>Revise Section 10.6.5 as follows:</i></u></p> <p>10.6.5 <i>Where a riser is located close to building foundations, underground fittings of proper design and type shall be used. <u>to avoid locating pipe joints in or under the foundation. The pipe under the building or building foundation shall not contain mechanical joints.</u></i></p> <p><u><i>Exception: Where allowed in accordance with 10.6.2.</i></u></p> <p><u><i>Revise Section 10.9.1 as follows:</i></u></p> <p>10.9.1 <i>Backfill shall be well tamped in layers or puddle under and around pipes to prevent settlement or lateral movement. <u>Backfill shall consist of clean fill sand or pea gravel to a minimum 6" below and to a minimum of 12" above the pipe</u> and shall contain no ashes, cinders, refuse, organic matter, or other corrosive materials.</i></p>	

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
72—02 07	National Fire Alarm Code: , as amended*	901.6, 903.4.1, 904.3.5, 907.2, 907.2.1.1,

907.2.3.3,
907.2.3.5, 907.2.3.6.1, 907.2.6.3.3, 907.2.10, 907.2.10.4, 907.2.11.2,
907.2.11.3, 907.2.12.2.3, 907.2.12.3, 907.4, 907.5, 907.9.1,
907.9.1.4, 907.9.2, ~~907.9.2.1~~, 907.10, 907.10.1.4, 907.10.1.5, 907.10.2.1,
907.14, 907.16, 907.17, 911.1, ~~1007.9~~, ~~1114B.2.2~~, 3006.5

**NFPA 72, Amended Sections as follows:*

4.4.4.3. Transient Protection. To reduce the possibility of damage by induced transients, circuits and equipment shall be properly protected in accordance with the requirements of ~~NFPA 70~~ California National Electrical Code, Article 800.

4.4.4.4. Wiring. The installation of all wiring, cable and equipment shall be in accordance with ~~NFPA 70~~ California National Electrical Code, and specifically with Article 760, 770 and 800, where applicable. Optical fiber cables shall be protected against mechanical injury in accordance with Article 760.

4.4.5 Protection of Fire Alarm Systems

Delete Exception No. 2:

~~Exception No. 2: Fully sprinklered buildings shall not require protection in accordance with 4.4.5.~~

5.13.4 ~~5.42.4~~ The operable part of each manual fire alarm box shall be not less than 1.1 m (3 1/2 ft) and not more than ~~1.37m (4 1/2 ft)~~ 1.22 m (4 ft) above floor level.

5.13.8 ~~5.42.8~~ Additional fire alarm boxes shall be provided so that the travel distance to the nearest fire alarm box shall not be in excess of 61m (200 ft) measured horizontally on the same floor.

Exception: When individual dwelling units are served by a single exit stairway, additional boxes at other than the ground floor may be omitted.

5.14 Fire Extinguisher Monitoring Device.

A fire extinguisher monitoring device shall indicate those conditions for a specific fire extinguisher required by California Code of Regulations, Title 19, Chapter 1, --- Section FE and California Fire Code ~~NFPA 10, Standard for Portable Fire Extinguishers~~, to a fire alarm control unit or other control unit.

6.4.2.2.2

Exception: (4) Where the vertically run conductors are contained in a 2-hour rated cable assembly, or enclosed (installed) in a 2-hour rated enclosure or a listed circuit integrity (C.I.) cable, which meets or exceeds a 2-hour fire resistive rating.

6.8.5.1.2 (Manual Fire Alarm Boxes)

Exception: Fire alarm systems dedicated to elevator recall control ~~and~~ supervisory service and fire sprinkler monitoring only

6.8.5.4.1 (2) A smoke detector that is continuously subjected to a smoke concentration above alarm threshold does not delay the system within functions of 4.4.3, 6.8.1.1, or ~~6.15.2.1~~ 6.16.2.1 by more than ~~1 minute~~ 30 seconds.

6.8.5.4.1 (5) Operation of a patient room smoke detector in Group I-1 and I-2 Occupancies shall not include an alarm verification feature.

~~7.4.1.2. The total sound pressure level produced by combining the ambient sound pressure level with all audible notification appliances operation shall not exceed 120 dBA anywhere in the occupied area.~~

~~7.4.3.1. Audible notification appliances intended for operation in the private mode shall have a sound level of not less than 45dBA at 10 feet (3m) or more than 120 dBA at the minimum hearing distance from the audible appliance.~~

11.7.2.1 The alarm verification feature shall not be used for household fire warning equipment.

11.7.5.7.1 The alarm verification feature shall not be used for household fire warning equipment.

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

NFPA National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
80 — 99 07	Fire Doors and Fire Windows.....	703.2, 1008.1.3.3

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)
References: Health and Safety Code Sections 13143, 13211

APPENDIX CHAPTER 1

CALIFORNIA FIRE CODE- MATRIX ADOPTION TABLE APPENDIX CHAPTER 1 - ADMINISTRATION

Adopting Agency		BSC	SFM	HCD			DSA		OSHPD				CSA	DHS	AGR	DWR	CEC	CA	SL	SLC
				1	2	1/AC	AC	SS	1	2	3	4								
Adopt Entire Chapter																				
Adopt Entire Chapter as amended (amended sections listed below)																				
Adopt only those sections that are listed below			X																	
Chapter / Section	Codes																			
<u>102.1 – 102.4</u>	IFC		X																	
<u>102.8</u>	IFC		X																	
<u>104.2</u>	IFC		X																	
<u>104.5</u>	IFC		X																	
<u>104.7- 104.7.2</u>	IFC		X																	
<u>104.10</u>	IFC		X																	
<u>105 – 105.2.2</u>	IFC		X																	
<u>105.2.4</u>	IFC		X																	
<u>105.3</u>	IFC		X																	
<u>105.3.3 – 105.3.7</u>	IFC		X																	
<u>105.4 – 105.4.6</u>	IFC		X																	
<u>105.5</u>	IFC		X																	
<u>105.6 – 105.6.8</u>	IFC		X																	
Table 105.6.8	CA		X																	
<u>105.6.10 – 105.6.11</u>	IFC		X																	
<u>105.6.13 – 105.6.15</u>	IFC		X																	
<u>105.6.20</u>	IFC		X																	
Table 105.6.20	CA		X																	
<u>105.6.21 – 105.6.26</u>	IFC		X																	
<u>105.6.43</u>	IFC		X																	
<u>105.6.46</u>	IFC		X																	
<u>105.6.47</u>	CA		X																	
<u>105.7 – 105.7.13</u>	IFC		X																	
106 – 106.4	IFC		X																	
<u>106.2 – 106.4</u>	IFC		X																	

109 -109.3.1	IFC		X																
110.1 – 110.4	IFC		X																
111 – 111.4	IFC		X																

Authority: Health and Safety Code Sections 13108, 13143, 13210, 13211, 18949.2(b)

References: Health and Safety Code Sections 13143, 13211

[B] APPENDIX CHAPTER 4

[B] 425.3 Building Height and Area Provisions.

[B] 425.3.1 ~~Group I-1, R-3.1, and R-4 shall be constructed in accordance with California Building Code Table 503. One or two stories. Group I-1 occupancies licensed as a Residential Care Facility for the Elderly (RCFE) one or two stories in height where more than six nonambulatory clients are housed shall be constructed of a minimum one-hour fire-resistance-rated construction throughout.~~

[B] 425.3.2 ~~Three to five stories. Group I-1 occupancies licensed as a Residential Care Facility for the Elderly (RCFE) three to five stories in height where more than six nonambulatory clients are housed above the first floor shall be constructed of a minimum Type IIA construction.~~

[B] 425.3.3 ~~Six or more stories. Group I-1 occupancies licensed as a Residential Care Facility for the Elderly (RCFE) exceeding five stories in height where more than six nonambulatory clients are housed above the fifth floor shall be constructed of a minimum Type IA construction.~~

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143

[B] 425.5 Fire-Resistance-Rated Construction Provisions.

[B] 425.5.1 **Smoke barriers required.** Group I-1 and R-4 occupancies licensed as a Residential Care Facility (RCF) with individual floor areas over 6000 square feet (557 m²) per floor, shall be provided with smoke barriers, constructed in accordance with Section 709.

Group I-1 occupancies housing bedridden clients shall be provided with smoke barriers constructed in accordance with California Building Code Section 709 regardless of the number of clients.

When smoke barriers are required, the area within a smoke compartment shall not exceed 22,500 square feet (2090 m²) nor shall its travel distance exceed 200 feet (60 960 mm). Such smoke barriers shall divide the floor as equally as possible.

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143

[B] 425.8.6.1 ~~Group I-1 and Group R-4 occupancies housing more than six non-ambulatory clients above the first floor shall be provided with two vertical exit enclosures. Stairway enclosures shall be in compliance with Section 1020. Exceptions to Section 1020 shall not apply in facilities licensed as a 24-hour care facility.~~

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143

[B] 425.8.7.1 Doors within floor separations. *Doors within such floor separations shall be tight fitting solid wood at least 13/8 inches (35 mm) in thickness. Door glazing shall not exceed 1,296 square inches (32 918 mm²) with no dimension greater than 54 inches (1372 mm). Such doors shall be positive latching, smoke gasketed and shall be automatic- closing by smoke detection.*

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143

[B] 425.8.8 Fences and gates. *Grounds of a residential care for the elderly facility serving Alzheimer's clients may be fenced and gates therein equipped with locks, provided safe dispersal areas are located not less than 50 feet (15 240 mm) from the buildings. Dispersal areas shall be sized to provide an area of not less than 3 square feet (0.28 m²) per occupant. Gates shall not be installed across corridors or passageways leading to such dispersal areas unless they comply with egress requirements.*

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143

[B] ~~425.2.3~~ 425.10 Temporarily bedridden clients. *Clients who become temporarily bedridden as defined in Health and Safety Code Section 1569.72, as enforced by the Department of Social Services, may continue to be housed on any story in Group I-1, R-3.1, or R-4 occupancies classified as Residential Care Facilities for the Elderly (RCFE). Every Residential Care Facility for the Elderly (RCFE) admitting or retaining a bedridden resident shall, within 48 hours of the resident's admission or retention in the facility, notify the local fire authority with jurisdiction of the estimated length of time the resident will retain his or her bedridden status in the facility.*

Authority: Health and Safety Code Sections 1250, 1502, 1568.02, 1569.72, 1569.78, 11159.2, 13131.5, 13133, 13143, 13143.6

References: Health and Safety Code Sections 13143